

Fig.1 Natural brassinosteroids.

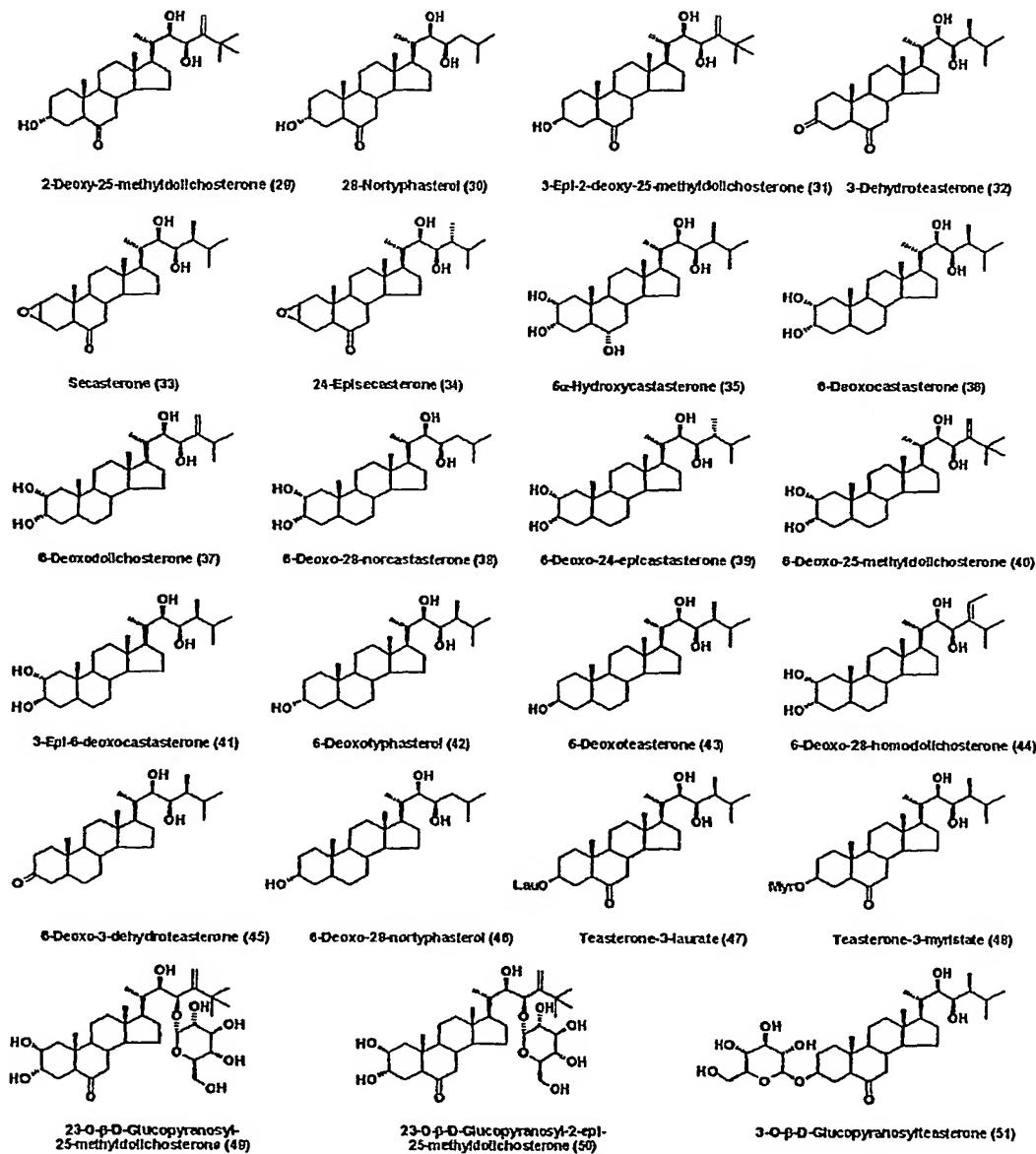


Fig. 2 Natural brassinosteroids (continued).

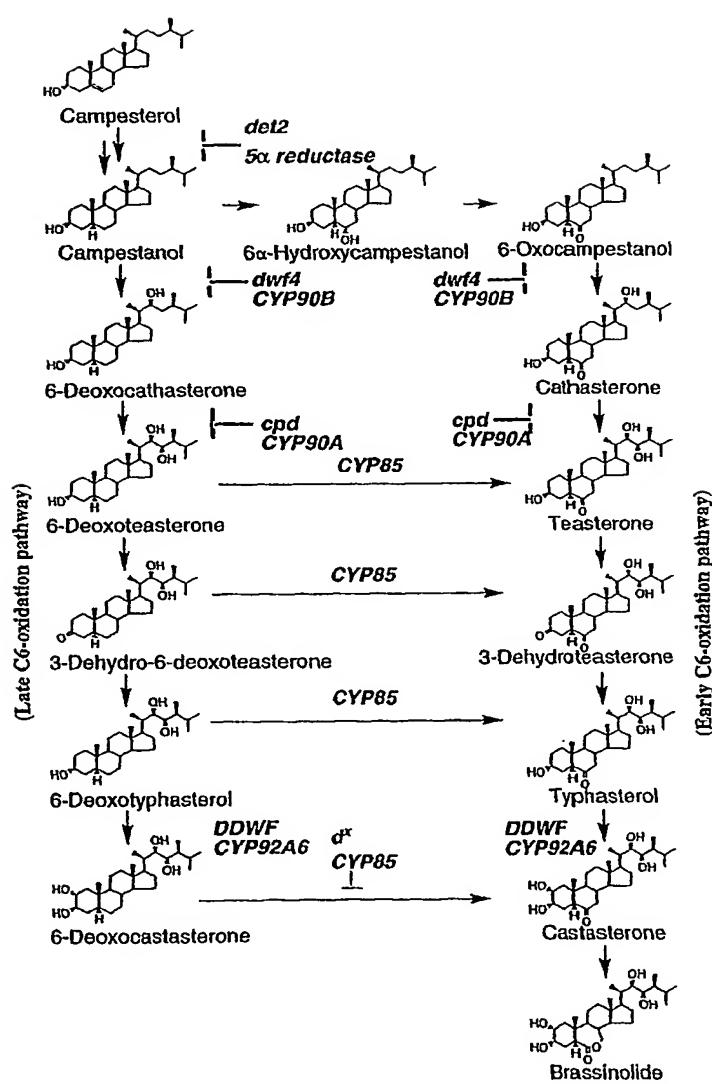


Fig. 3

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|---------------------|--|---|
| DOGT1 | : | MVSETTKSSPL-----HEVLFPEMAQGHMIPMDIARLLAORGVIIITVTPHNAARFKNVLNRAIES-GLPINIVQVKFPYL: 77 |
| Vigna_ADGT9 | : | MVLQTNVNP----HEVLFPMMAQGHMIPMDIARLLAORGVIIITVTPKNSRNSVISRAVSS-GLKIRLEVOLNEPSK: 75 |
| Nicotiana_TOGT1 | : | MG-----OL----HEFFEPVWAHGHMIPILDMAKLEASRGVKAIIITTPLINEFVESSKAQORN-KHLGIEIEIRLIEKEPAV: 70 |
| Nicotiana_Iss5a | : | MG-----OL----HEFFEPVWAHGHMIPILDMAKLEASRGVKAIIITTPLINEFVESSKAQORN-KHLGIEIEIRLIEKEPAV: 70 |
| Oryza_AP002523 | : | MSAGHAVDQQRKSTTMKAHEFVLPWMAQGHMIPMTGMARLLAEHGAQSVSEVTPVNAARMA-GFTVTAEEAGLAVQLVKLPEPAT: 85 |
| Lycopersicon_Twil1 | : | -----HEFFEPDDAQGHMIPLDMANVACRGVKAIIITTPLNESVESKAERN-KHLGIEIDIRLLKEPAK: 66 |
| Dorotheanthus_50GT: | MGTHST-APDL-----HVVFEPFLAHGHMIPSLDIAKLEAARGVKTTLTPLNAMSMETTKALEKTRKNTETQIEVESEPE: 77 | |

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|---------------------|--|---|
| DOGT1 | : | EAGLOEGOENIDSIDTMERMIPEFEKAVNFILEEPVQKLIIEEMNPRPSCLISDFCLPYTSKIAKKFNIPKLFHGMGCFCLLCMHVIR: 163 |
| Vigna_ADGT9 | : | EAGUREGGCENLDMVSSND-MSKLFQVIHMPQKPAEEFFQILTPKPSCLISDEFCLIAWTLQIAEKYHIPRVSFEGESCFCLHCRYVIIH: 160 |
| Nicotiana_TOGT1 | : | ENGILPEECERIDQIPSDEKLPEFEKAAMMPEQPELQIE--CRPDCLISDMFLPMTTDTAAKFNIPRIVFHGTSEFALCVENSVR: 154 |
| Nicotiana_Iss5a | : | ENGILPEECERIDQIPSDEKLPEFEKAAMMPEQPELQIE--CRPDCLISDMFLPMTTDTAAKFNIPRIVFHGTSEFALCVENSVR: 154 |
| Oryza_AP002523 | : | EEGLPDGCENLDMIOSRDLSRNNEWAACGALREPLTARLQLCPPPSCLISDMVQWWNTGEIARELGPRLTEDGECTFASLARYIIIF: 171 |
| Lycopersicon_Twil1 | : | ENDLPEDCERIDLVPSDDDKLPNELKAAMMKEDEEELIGE--CRPDOLVSDMFLPMTTDSAAKFSIPRIVFHGTSYFALCVGDTIR: 150 |
| Dorotheanthus_50GT: | EAGLPLGCGENIEQAMAIGANNEFFNANLILKEQLENFLVK--TRPNCIVADMFETTAAADSTAKNIPLTVEHGFSSEPAQCAKEVW: 161 | |

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|---------------------|---|--|
| DOGT1 | : | KNREILLDNLKSDKELFTVPDFPDRVEFTRTQVPP-ETYVPGDWKDIEDGMVEANETSYGVIVNSFOELEPAYAKDY-KEVRSGKA: 247 |
| Vigna_ADGT9 | : | TS-DFCRSITSESKYFTIPGIPDKIQTKEQLPG-SLATLDDDFKD---QVRDAEKKSYGVIVNTFWRVGEICEGESRRRIKNNKA: 241 |
| Nicotiana_TOGT1 | : | LNKPF-KNVSSDSETFVVPDLPEHEIKLTRTQSPFERSGEETAMTRMIKTVRESDSKSYGVENSEFYELETDYVEHYTKVL-GRRRA: 238 |
| Nicotiana_Iss5a | : | LNKPF-KNVSSDSETFVVPDLPEHEIKLTRTQSPFERSGEETAMTRMIKTVRESDSKSYGVENSEFYELETDYVEHYTKVL-GRRRA: 238 |
| Oryza_AP002523 | : | RDK-LLDNVA-DEEIVTESGEPMLLELPKARCPG--SLCVPGMEOQIRDKMYEELOSDGNMNSFOELELYIESEEQ-ITGKKV: 251 |
| Lycopersicon_Twil1 | : | RNKPF-KNVSSDSETFVVPDLPEHEIKLTRTQSPFERSGEETAMTRMIKTVRESDSAKSYGVENSEFYELESDYVEHYTKVV-GRKN: 234 |
| Dorotheanthus_50GT: | RYKPY-KAVSSDTEVESLPELPEHEVKMTRLQVPESMRKGEETHETKRTTERIRELRSYGVIVNSEFYELEPDYADFLRKEL-GRRRA: 245 | |

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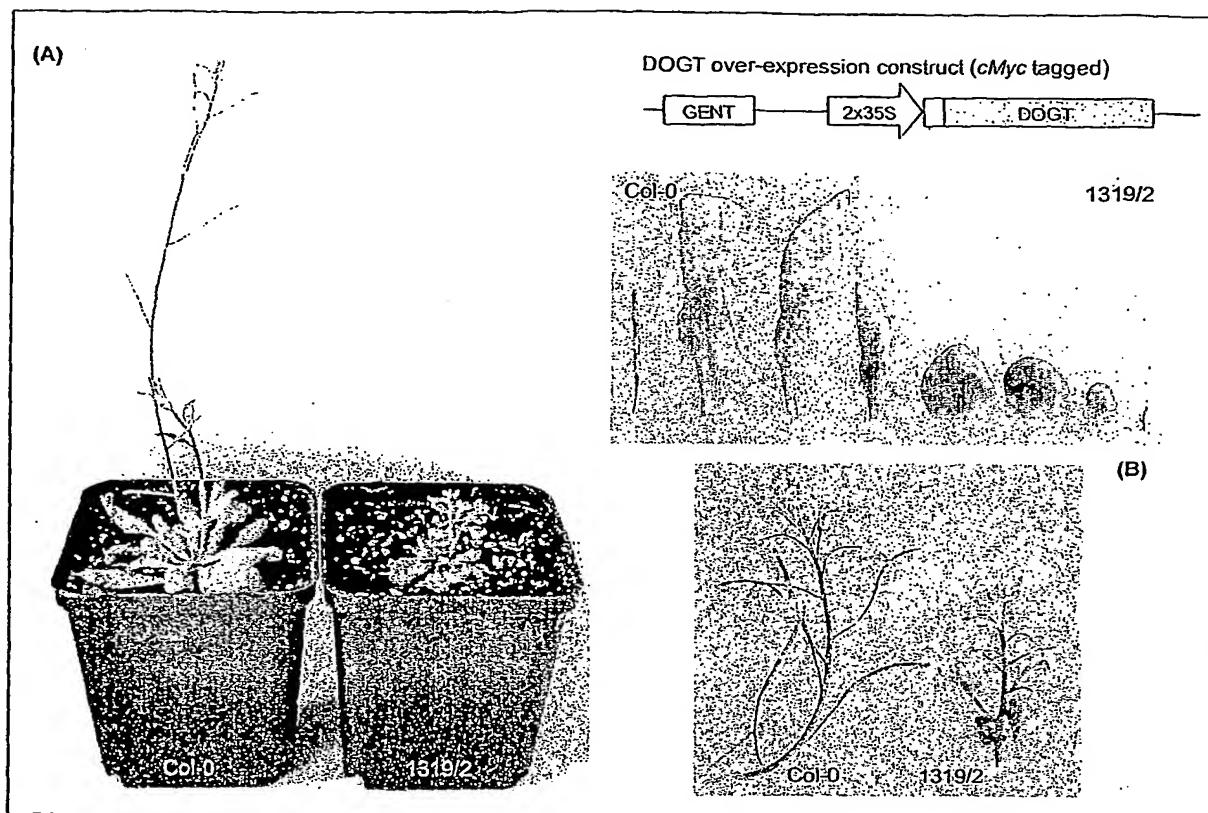


Fig. 5

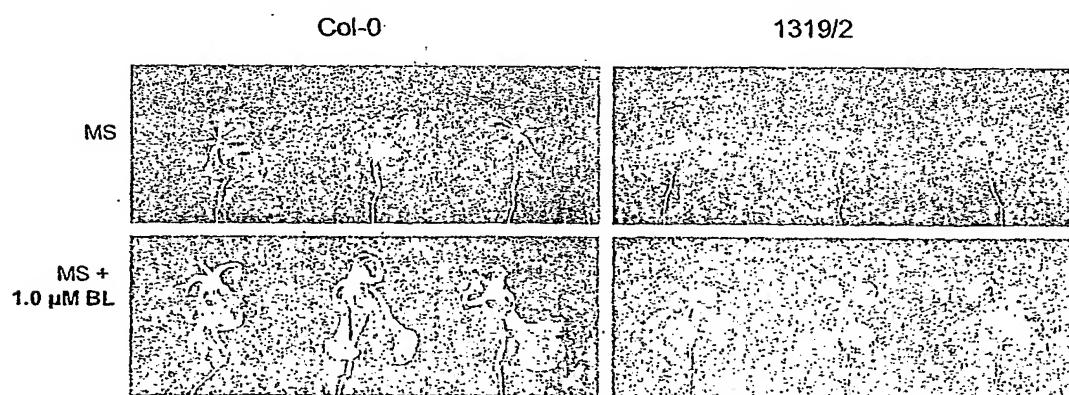


Fig. 6